



**MEMORANDUM**

**To:** Julio Frenk, President

**From:** Linda L. Neider  
Chair, Faculty Senate

**Date:** January 29, 2021

**Subject:** Faculty Senate Legislation #2020-42(B) – Inactivate the Master of Science in Occupational and Ergonomics Safety, College of Engineering, Department of Industrial Engineering

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The Faculty Senate, at its January 27, 2021 meeting, had no objections to the approval to inactivate the Master of Science in Occupational and Ergonomics Safety in the College of Engineering, Department of Industrial Engineering. This change is based on market demand and the relationship to other programs.

This legislation is now forwarded to you for your action.

LLN/va/rh

cc: Jeffrey Duerk, Executive Vice President and Provost  
Pratim Biswas, Dean, College of Engineering  
Nina Miville, Associate Professor of Practice

**CAPSULE:** Faculty Senate Legislation #2020-42(B) – Inactivate the Master of Science in Occupational and Ergonomics Safety, College of Engineering, Department of Industrial Engineering

APPROVED:  DATE: 2/17/21  
(President's Signature)

OFFICE OR INDIVIDUAL TO IMPLEMENT: Pratim Biswas, Dean, College of Engineering

EFFECTIVE DATE OF LEGISLATION: IMMEDIATELY  
(Pending any further Board of Trustees approval)

NOT APPROVED AND REFERRED TO: \_\_\_\_\_

REMARKS (IF NOT APPROVED): \_\_\_\_\_

# Program Change Request

A deleted record cannot be edited

## Program Inactivation Proposal

Date Submitted: 03/09/20 4:30 pm

Viewing: **M.S. in Occupational and Ergonomics**

## Safety : OEST\_MS

Last edit: 01/08/21 10:55 am

Changes proposed by: Nina Miville (ndecario1)

Date of Closure

(when new

students will no

longer be admitted)

### In Workflow

1. **PG Assessment and Accreditation**
2. **PG IEN Chair**
3. **PG EN Dean**
4. **PG University Accreditation**
5. **PG GR School**
6. **PG Graduate Council**
7. **PG GR Dean**
8. **PG FS Office for GWC**
9. PG FS GWC
10. PG Faculty Senate
11. PG FS Office for President
12. PG Registrar

### Approval Path

1. 04/29/20 3:14 pm  
Patty Murphy  
(pxm491): Approved for PG Assessment and Accreditation
2. 10/13/20 9:39 am  
Vincent Omachonu  
(vomachonu): Approved for PG IEN Chair
3. 11/01/20 2:25 pm  
Daniel Berg  
(d.berg): Approved for PG EN Dean

- 2 of 8
4. 11/09/20 1:03 pm  
Patty Murphy  
(pxm491): Approved  
for PG University  
Accreditation
  5. 11/09/20 1:11 pm  
Tiffany Plantan  
(tplantan):  
Approved for PG GR  
School
  6. 11/20/20 11:39 am  
Tiffany Plantan  
(tplantan):  
Approved for PG  
Graduate Council
  7. 11/20/20 11:53 am  
Guillermo Prado  
(gprado): Approved  
for PG GR Dean

### 03/09/2020

Final Catalog            2019 - 2020  
Edition

Reason for Closure

**The program has been inactive for years and there is no interest by incoming students**

Describe the  
number of students  
currently enrolled  
in the program and  
when they are  
expected to  
complete the  
program

**0 enrolled**

Explain how current  
students will be  
helped to complete  
their program of  
study

n/a

Describe any additional charges/expenses students will incur due to the program closure, if any

n/a

Describe how current faculty and/or staff will be affected by the program closure, if at all, and how they will be redeployed or helped to find new employment, if needed

**Currently no faculty will be impacted because we have not had students in several years. Faculty for this particular specialty have either retired or left.**

Explain how and when any affected parties (students, faculty, staff) will be informed of the impending closure

**[IE Program Closures Supporting Letters.pdf](#)**

**Faculty and staff were notified in a faculty meeting. No students to notify.**

*Please list the authors of this proposal including name, rank/title, program/department, and school.*

Proposer(s) Name

Career Graduate

Academic Structure

School/ College	Department
College of Engineering	Industrial Engineering

Plan Type Major and/or Degree

Degree Type Master's

Degree Name

Proposed Plan Code

Plan Name M.S. in Occupational and Ergonomics Safety

Will there be any subcomponents within the program such as concentrations, specializations, thesis/non-thesis options, or tracks?

Effective Term

First Term Valid

Program Instruction Mode In Person

Where is the program offered?

Location	Please provide the % of instruction at each location.
Coral Gables Campus	100

Program Length (Years) 2

Total Credits 36

## To Be Published in the Academic Bulletin

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Program Overview

# Master of Science in Occupational Ergonomics and Safety

An interdisciplinary **M.S. degree program in Occupational Ergonomics and Safety** is offered through the Department of Industrial Engineering in collaboration with the School of Medicine. These programs of study are individually structured to fit the student's interests and career objectives.

The program will consist of a 36 hour Master's degree program in Occupational Ergonomics and Safety in the Department of Industrial Engineering. The program will include 33 hours of course work in the areas of ergonomics and safety and 3 hours on internship in an industrial or health care related facility. Research areas will include musculoskeletal injuries, occupational stress, automation and design for older workers and special populations.

## Program Mission Statement

# Mission

The Department of Industrial Engineering's mission is to provide contemporary and relevant industrial and systems engineering education and research; impart knowledge and skills necessary to design and to improve a variety of manufacturing and service processes; promote life-long learning; and contribute to emerging societal needs.

## Program Goals

# Goals

## Student Learning Outcomes

# Student Learning Outcomes

Graduates will demonstrate an ability to apply knowledge and methodology to advanced problems in Occupational Ergonomics and Safety.

Graduates will demonstrate an ability to write effectively about advanced Occupational Ergonomics and Safety topics.

Graduates will have an ability to present their findings effectively about advanced Occupational Ergonomics and Safety topics.

## Curriculum Requirements

# Curriculum Requirements

## Course List

### Common Core Courses

<a href="#"><u>IEEN 651</u></a>	Accident Prevention Systems	3
<a href="#"><u>IEEN 657</u></a>	Ergonomics And Human Factors Engineering	3
<a href="#"><u>IEEN 658</u></a>	Industrial Hygiene I	3
<a href="#"><u>IEEN 712</u></a>	Design of Experiments	3
<a href="#"><u>IEEN 757</u></a>	Ergonomics and Occupational Biomechanics	3
<a href="#"><u>IEEN 758</u></a>	Ergonomics and Special Populations	3
<a href="#"><u>IEEN 794</u></a>	Master's Project	3
<a href="#"><u>EPH 621</u></a>	Fundamentals of Epidemiology	3
Electives (12 credits)		12

Total Credit Hours

Plan of Study

Admission Requirements

## Rationale

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Rationale

Market Demand

Relationship to Other Programs

Relationship to Undergraduate and Professional Programs

Library Resources Available and Needed to Support the Program

Laboratory Facilities, Equipment, and Space Available and Needed to Support the Program

Other Resources Available or Needed to Support the Program

## Curriculum

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Program Curriculum

Upload Syllabi for Any New Courses

Proposed Schedule of Course Offerings for the First Three Years

## CIP Code

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Proposed CIP Code



## Faculty

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Program Directors

Upload CV(s)

Program Faculty

Upload CV(s) Grad

## Students

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Applicant Pool

Enrollment Projections

Teaching or Research Assistants

## Administration

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Program Administration

## Budget

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Program Budget

## Comparison

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Peer Comparisons

## Documents

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## Attach Supporting Documentation

Reviewer

Comments

**Patty Murphy (pxm491) (04/13/20 5:10 pm):** SACSCOC was notified of this program closure on 4/13/2020. Approval is pending.

**Patty Murphy (pxm491) (11/09/20 1:03 pm):** The Dept. Faculty voted to approve this closure on July 17, 2019. The College Council voted to approve this on May 11, 2020.

**Patty Murphy (pxm491) (11/09/20 1:03 pm):** SACSCOC has approved this closure.

**Tiffany Plantan (tplantan) (11/20/20 11:39 am):** MOTION to inactivate the M.S. in Occupational and Ergonomics Safety; seconded and passed (13 approved, 0 opposed, 0 abstained) at the November 17, 2020 meeting of the Graduate Council.

Key: 394